Release B CDR RID Report

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Section **Page** **Figure Table**

RID ID CDR 99
Review DSS DDDR
Originator Ref
Priority 2

Category Name ECS System-Level **Actionee** ECS

Sub Category **Related RIDs**
Subcategory ID

Subject Provide resource threshold trip warning to user

Description of Problem or Suggestion:

With the 2x sizing, the probability of user orders failing due to insufficient system resources (particularly working storage) is significant. This would result in excessive operations cost. This is particularly problematic for large subsetting requests. Early partitioning of resource-intensive orders would allow throttling/metering without tripping thresholds, failing and requiring operator intervention. Ideally, it would be good for the user to aid and abet this partitioning. This is particularly key for electronic distribution, where a user should be able to download his/her data almost as soon as it is ready.

Originator's Recommendation

1) Have the system determine when an order will likely exceed a DAAC-specified, volume-based threshold.
2) Notify the user of this probability before final submission of the order
3) Allow the user to participate in the partitioning (e.g., by partitioning him/herself or confirming an automatic partitioning)
4) In determining the "effective volume" of a given order, allow for datatype service specificity, e.g., a simple factor to apply to the original granule's estimated volume.

GSFC Response by: **GSFC Response Date**

HAIS Response by: **HAIS Schedule**

HAIS R. E. Kuder/Tadmor **HAIS Response Date**

Status **Open** **Date Closed** **Sponsor** **Kobler**

****** **Attachment if any** ******